

THE CAMERA CRAFTSMAN

published by

NATIONAL CAMERA REPAIR SCHOOL

Volume I

Number 3

student of the month!

CHESTER C CRUMRINE
South Bend, Indiana

Mr. Crumrine was chosen for his careful attention to details in completing his ninth lesson, "The Photographic Print". He was selected for the accuracy and effort shown in answering the quiz sheet questions and for his excellent photographic prints produced in the practical assignment. One of Mr. Crumrine's prints is above. The entire lesson was neatly assembled and accompanied by a carefully detailed description of how each step of the work was accomplished.

Congratulations, Mr. Crumrine. Your Five Dollar Credit Slip good in the School Repair Shops is in the mail. Keep up the good work!



"The Camera Craftsman" is a monthly newsletter published by the National Camera Repair School. Its purpose is to bring the news and views of interest to Camera Craftsmen to the students and graduates of NCRS ... and to build a closer relationship between students and staff and faculty. Your ideas and items of interest will be welcomed by the editors.

OUR STUDENTS SPEAK.....

"The NCRS lesson texts will prove very useful to me in the near future, when we get into production on our Bolsey cameras. I might add that knowledge gained in the NCRS course has become evident to my employers and they have offered to "pick up the check" for my tuition. I have been asked to prepare a talk on "Camera Optics" to be presented at our monthly Foremen's Club dinner in July." E.R. Hanson, Wisconsin

"To date, I have enjoyed the presentation of your Camera Repair Course and am looking forward to the future lessons with eager interest."

..... Capt. F.D. Witmer, Missouri

"I thought I knew a little about Photography, now I know it was less than that. The NCRS lessons I've received so far have been outstanding. It is almost unbelievable that a person can get so much out of so few pages. Thanks a lot for the pleasure I have received from your NCRS course so far." C.J. Wild, Ohio

"I can say truthfully the lesson on "OPTICS" is much clearer after answering those alternate questions you sent me. Going over the textbook for the second time clarified things I couldn't understand before."

..... A. Sneathen, Michigan

SEND IN YOUR ORIGINAL IDEAS

Are you using a unique repair method or an original money saving device in your shop? Here is an opportunity to earn extra dollars in credit for your original workshop ideas. Send us a full description with drawings or photographs of your "Brain Child". We're interested in any new "gadget" you are employing successfully in your shop; or any original labor saving device or tool you have created. Use this newspaper as your clearing center for these new ideas and profit by the exchange. We will pass along these good ideas to all student camera repairmen who can make valuable use of them.

Don't hesitate about sending in your "ideas" because they are "old stuff" to you, remember they may very well be brand new "stuff" to the rest of us.

Dear Craftsman Editor:

After I finished my camera repair lesson last night I had another lesson from my nephew, age 7, and I want to pass the results along to you right now. If you like you can pass them along to the other NCR guys and gals. This little feller asked, very simply and sincerely, "Uncle Stevie, why do all camera repairmen talk so much?"

Well, for the life of me, he had me stopped COLD. I couldn't find an answer for him. But now that I've had a chance to think over my own behavior during a repair sale, I believe I have several. Here they are.

Through lack of knowledge: What does a "poor" serviceman do when he doesn't know as much about the damaged equipment as he should?

Answer: He generally tries to bury his ignorance under a heap of "fancy" talk. Usually, he buries the repair job instead. Honesty in "service" is still the best policy. Send those tough repair jobs to NCRS for an accurate estimate.

Through lack of confidence: Ever whistle your way past a graveyard? The "scared" repairman often tries to hide his fears and lack of confidence behind a false front of too much "double" talk. Could it be he's talking as much to himself as to his customers? Give your customers a chance to explain the camera's malfunctions and disorders. You can learn a lot from customers if you'll just learn to listen to them.

By over-enthusiasm: Offhand, enthusiasm about a camera repair job would seem admirable. But when it leads a guy to oversell the job, to continue talking long after the customer stops listening, it can be a serious and costly mistake. Lost, another repair job!

Are these all the answers to the question of too much talk? NO! Perhaps you can think of a half dozen more. Then ask yourself this \$64 question: "Do I talk too much -- so much so that I'm talking myself clean out of many repair jobs?"

Well, I've asked my final question tonight. That's why my letter ends right here. Period. Goodnight, now. Will send in my next lesson tomorrow.

Sincerely, Steve W., NCRS Student #89

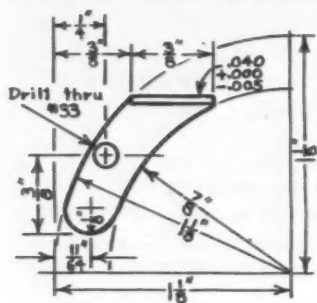
P.S. Enjoying the issues of the "Camera Craftsman". Keep up the good work. Got three new "shutter" jobs today. Things are sure going great. Goodnight. S.W.

SAFETY PLATE FOR ARGUS A1 AND A2 CAMERAS

Drawings by C.J. Wild
Tipp City, Ohio

PART #1

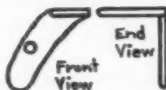
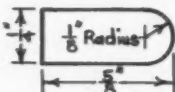
Material .040 Half-Hard Brass



**All Tolerances \pm .015
except where shown**

PART #2

Material .040 Half-Hard Brass



FRONT and END Views after assembly by silver solder.

AFTER ASSEMBLY:

Burr and round off all edges and corners.

Remove all scratches.
Polish plate with nickel and
finish polish.

Silver solder PART #2
on step in PART #1 at
right angles as shown in
End View of final assembly.

TO ASSEMBLE ON CAMERA:

Remove screw from front mounting plate in back of shutter lever release.

Assemble "Safety-Plate" with same screw.

The plate on top should extend forward and over the top of Shutter Lever Release to prevent making exposure with camera out of focus.

Keep up the excellent work, Mr. Wild. Your Five Dollar Credit Slip good in the School Repair Shops is in the mail.

The Editors.

SPECIAL SUBSCRIPTION RATES

The two leading trade magazines

"Photographic Trade News" and the "Photo Dealer" magazines.

Through the pages of these magazines you learn the latest trends in photographic merchandising; the newest products being marketed, or about to be marketed. Each year, the publishers provide valuable directory issues, with listings of everything in the photographic field, where to get it, and who makes it. At regular intervals, you get listings of latest "trade-in" values, compiled accurately so that you can determine easily what any used equipment is worth on the current market. The regular subscription price for either of these magazines is \$3.00 per year, for twelve monthly issues and the annual directory issue. You can subscribe to either or both of these magazines at this time through your NCRS Supply Department for \$2.25 each, on a group subscription rate. Your copies will be mailed directly to you. Subscribe now, and get the big directory issues that are being mailed at this time. Send your note to F.H. Curtis with \$2.25 for each magazine desired.

YOUR NCRS TRAINING IS DESIGNED FOR YOU

Your NCRS training course is designed to make learning the skills needed in camera repair work easy and successful for the average student. How are you getting along? Are you applying yourself faithfully to your studies and progressing steadily? Your NCRS textbooks are written in clear and precise language by recognized experts in the camera repair field. Your study material is full of illustrations to enable you to grasp the meaning of the technical material quickly. The frequent use of tests, practical problems and examinations throughout your course is designed to compel you to study diligently. Have you set aside daily study hours? It's wise to keep a chart and record the exact hours you spend with your assignments each week and place that figure on all your answer sheets. These frequent check-ups on your progress show your instructor just how well you're getting along with your work; exactly what you do not clearly understand, and where your instructor can be of greater help to you. These examinations are carefully graded and returned to you with comments and explanations. Your NCRS Staff is checking all your work to be sure you understand everything as you progress. Your instructor will gladly answer any questions, or try to solve any problems you may have about your work at any time; he will appreciate receiving your suggestions and comments as your work advances. Keep us fully informed of your progress as well as your difficulties. We're interested in your ultimate success.

Your NCRS Instructor

INTRODUCING

MR. CECIL L. SEARLE
Manager, NCRS Camera Repair Department



MR. CECIL L. SEARLE, an outstanding graduate-student of the National Camera Repair School is the manager of the School's rapidly expanding Wholesale Camera Repair Department. He was previously in the technical instrument manufacturing business in Denver, Colorado, before he developed his interest and skill in the operation and repair of cameras and projectors. During the war, Mr. Searle served in the Navy doing torpedo timing and maintenance work. The School's popular Repair Department handles wholesale camera repair work for its many retail camera dealer clients all over the World.

The Director's Viewpoint

by SAMUEL L. LOVE



How do you perform a practical assignment? Do you go through the job only with the intention of completing the required work? There is a minimum amount of effort that you must put forth to receive a passing practical assignment grade. If you disassemble and reassemble a shutter only once, and it functions satisfactorily, your grade may be passing.

But your practical assignment states, "disassemble and reassemble the (piece) until you are thoroughly familiar with the mechanism."

Each piece of equipment that you receive is chosen for an important reason. Real familiarity with each item assures that the next step in your training will be easy. In addition, the unit is usually typical of others which you will encounter, and your unquestioned knowledge will eliminate many problems that might otherwise seem huge.

Take advantage of the effort that went into the planning of your Training Program. Follow directions as completely as you can. Write to your Instructor often, for help with your unusual problems. Repeat your practical assignments so many times that you could "do it in your sleep". You'll find it's like cold cash in your pocket in the days to come!

USE YOUR NCRS SALES DEPARTMENT

The NCRS Sales Department is designed to keep your growing business solvent and to bring you the opportunity of making good "buys" of surplus merchandise. These services are available exclusively to NCRS camera repair students and graduates.

Form the habit early of regularly INVENTORING your stock and equipment. If you find an excess of photographic equipment or supplies in your

shop and you wish to convert them into cash, call on your NCRS Sales Department to help you. New and used parts, assemblies, complete cameras and shoproom equipment can be bought, sold or exchanged through this department. Just send in a list of the extra items you desire to dispose of and your asking price. This equipment may be new or used, in good working order or in need of repair. We'll find a buyer for whatever you wish to sell. You can list anything you have, from a single camera part to a completely equipped camera repair shop. Your NCRS Sales Department will advertise your merchandise and make every effort to dispose of it for you through one of its many wholesale and retail outlets.

A 10% service charge, with a minimum of 50¢, will be made for each sale completed and charged to the account of the seller. Each seller will be required to warrant the condition of each item to be as listed. Shipping and insurance charges will be borne by the purchaser.

REQUEST FOR INFORMATION

If you have a friend or relative who may be interested in the money making opportunities that exist today in the camera repair field, have him or her fill out this coupon and mail it to the National Camera Repair School, Box 174, Englewood, Colorado.

NATIONAL CAMERA REPAIR SCHOOL Box 174, Englewood, Colorado	
I am interested in the opportunities and advantages of a career in Camera Craftsmanship. Please furnish me with complete information about your training program.	
Name _____	Age _____
Street _____	
City _____	State _____

Now available from your NCRS Supply Department

MICROFILE FILM

10 Exposure Cartridge
for 35 mm lens tests ... 35¢ each

Here is the perfect film for resolutions tests, packaged in an economical size for a single camera test. You'll have no grain problems with this film. Film speed 8 - 12 ASA.



HAVE YOU PUT YOUR WIFE ON THE STREET YET ???

Reports keep coming in about an energetic NCR student-repairman who has successfully promoted a record breaking amount of camera repair work in his hometown. Your reporter dropped around to discover what "methods" were being used to promote this new business.

Well, here's exactly what your reporter found out. This fellow, George, has a most helpful wife. She's real interested in her husband's

success. She's more than just interested, 'cause she's honestly helping him to succeed. And heres how she is doing it. Every afternoon about three, while the other ladies in town are having tea, Mrs. G. puts on her hat and makes the round of the local camera and pawn shops. She introduces herself with her husband's business cards describing his expert camera repair service. She comes back home every afternoon with a basketfull of cameras to be repaired. "Hubby" does what work he can in his own workshop and sends the more difficult jobs in to the NCR ServiShop for repair. Deliveries are made promptly each day with "wifie" covering another section of the town each afternoon and establishing a regular route. She enjoys the work and is building an excellent reputation for the growing business. Her many satisfied customers are pleased with her husband's prompt expert camera repair service. Their nearest competitor is located in a town 75 miles away.

That's how it is being done in one place in Kansas, fellows. The Georges are planning on building a new shop-home in the fall.

Moral to this story: Just place this newspaper out where your own little woman can see it and become curious about how she can help you succeed. If she reads this article and the suggestion takes hold that's great just write in and tell us about your success. If she refuses to take the hint we'd like you to report the facts to your Englewood Home Office just the same. You see, we folks are keeping a record of your success down here, and we'd like to know the score back home.

- - - - - Your Roving Reporter

YOUR SPECIAL "KITS" OF THE MONTH:

KIT #4551A	Individual Value \$3.70
Assortment of Camera	YOUR PRICE 1.95 ppd
NUTS and SCREWS	You Save \$1.75

A full ten and one-half dozen (126 pieces) of assorted Nuts and Screws in the most frequently required shapes and sizes. All assorted head shapes, body sizes and lengths. A very handy starting KIT to have on hand for quick replacements. Remember the right screw in the right place can often result in a fast two dollar repair job. Order this Special KIT now from your NCRC Supply Department while the present stock lasts.

KIT #5551P	Individual Value \$19.90
Assortment of Camera	YOUR PRICE 12.60 f.o.b.
REPLACEMENT PARTS	You Save \$ 7.30 Denver

This Special KIT includes an assortment of three dozen (36 pieces) frequently needed camera replacement parts including:

1. An assortment of 15 ARGUS replacement parts including wind knob parts, cable release socket parts, counter dial parts, etc.
2. Plus an assortment of 8 ANSCO replacement parts including wind keys, handle, shutter springs, etc.
3. Plus an assortment of 13 EASTMAN replacement parts including winding keys, view finders, key parts, etc.

All replacement parts in this KIT were carefully chosen because of their need frequency in repair jobs and are guaranteed new factory parts. Order your KIT now from your NCRC Supply Department while the present stock lasts at this special price.

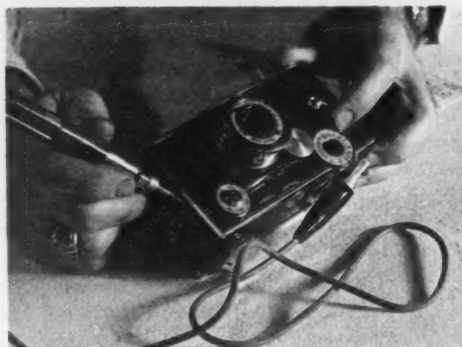
Remember to make use of your NCRC Camera Repair Shops until such time as you are fully equipped and trained to do all the more difficult jobs yourself.

Don't make the mistake of waiting until you complete your training course before you start to actively solicit this available and well-paying camera repair work. Get started today!

CIRCUITRACER

List Price \$4.95
YOUR PRICE 3.40 ppd.
You Save \$1.55

NEW inexpensive electric circuit tester especially adaptable for camera repairwork. It is capable of locating and identifying dead and live circuits of any resistance or voltage value. It will check electric photo-flash circuits. Analyzes breaks and high resistance joints. Tests flash wiring for breaks or bad connections.



A rugged tester, yet conveniently small. A dependable trouble shooter. Put this handy unit into your carry-out kit or your pocket for quick tests anywhere. Wt. $2\frac{1}{2}$ oz. Only \$3.40 ppd. Order through your NCRS Supply Department while the supply lasts. This is a tested and approved National ServiShop Product.

YOUR NCRS IS COOPERATIVELY OWNED AND OPERATED

Students and graduates are now offered an opportunity by the School Comptroller to purchase shares of Capital Ownership Stock in the National Camera Repair School, Inc. Shares selling at one dollar par value are now available in blocks of fifty and one hundred shares. Interested investors are asked to contact the NCRS Comptroller for further details.



Remember NCRS will pay you by crediting your account for \$10.00 for the name of each prospective student submitted who enrolls within a sixty-day period. Send in those names, today!

SPECIAL!

THIS MONTH ONLY!

Your NCRS Supply Department makes this "Three Star Special Dealer" offer this month to all students. These Sturdy Steel Shelving Units are ideally suited for your Camera Repair Workshop or Display Room. These nationally advertised "Iron Grip" bins are shipped to you "knocked down" at a special discount. Assemble them easily yourself, all the necessary parts are included. Start your shelving with one or two of these handy sections and add from a large variety of units as your business expands and the need for them develops.

STEEL SHELVING



UNIT # ONE List Price \$38.13
YOUR PRICE 29.90 net
You Save \$ 8.23
49 Openings; Seven openings size $7\frac{1}{2}$ x 5";
42 Openings 6 x 5"; Making a total of 49
Openings. All Openings are Adjustable.

UNIT # TWO List Price \$18.48
YOUR PRICE 13.90 net
You Save \$ 4.58
Three Openings. Utility Storage Compartments. Shelves adjustable on $1\frac{1}{2}$ " center.
Three Openings as shown. 12" x 36".
Ideally suited as a bottom unit.

These Units are all 3' wide, 1' deep, $43\frac{1}{2}$ " high; two stacked are 7'3" high. They can be stacked, placed end to end or back to back.

You SAVE 22% off the List Price for the assembled units. Get your order in to the NCRS Supply Department promptly to insure early delivery. This is a tested and approved National ServiShop Product.

SERVICE "HELPS" FROM NCRS STUDENTS:

"Here is a little item that may be of interest to NCRS Students:

New hand drills have an annoying habit of sticking or jamming at a critical moment in drilling due to burrs on the gears. This can be easily corrected in the following manner.

Apply valve grinding compound to the gears, after removing the chuck. Work the handle for a minute or two, wash off the compound with a solvent; repeating with more grinding compound until you are satisfied that the gears will no longer jam."

..... W. LaChapelle, California

Editor's Note: Thanks for your excellent suggestion, Mr. LaChapelle. Your three dollar credit slip good in the School Repair Shops is in the mail.



Bear in mind that anything you need in your shop can be obtained at generous student-discount prices through your NCRS Supply Department. Is there some article or piece of equipment in which you are interested? Do you have a question about the servicability or durability of a product? A note will bring a prompt reply as to price, quality, construction, availability, durability, etc. Just drop a line to Frank Curtis the manager of your NCRS Supply Department whenever you're in the market for something new.

NATIONAL CAMERA REPAIR SCHOOL

Box 174
Englewood, Colorado

THE CAMERA CRAFTSMAN

Vol. I No. 3

Bernard H. Love
Editor
Chas. Schmitt
Asst. Editor
Margaret Snyder
Art Director

Published for
students, graduates
and friends of
The National Camera
Repair School

Subscription, Camera Repair School
Box 174
Englewood, Colorado

BULK RATE
U. S. POSTAGE
PAID
ENGLEWOOD, COLO.
PERMIT NO. 368

Form 3547 Requested
Return Postage Guaranteed

